

JOHN AUERBACH COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

12/23/10

Melissa Brooks Assistant District Attorney, Suffolk County

Dear ADA Brooks,

Enclosed are copies of the information you requested regarding sample numbers in the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Curriculum Vitae for Daniela Frasca and Kate A. Corbett.
- 3. Control Cards with analytical results for sample numbers and
- 4. Analysis notation forms for sample number and control card hand written notations for sample number
- 5. GC-MS raw data sheets for sample number

GC-MS confirmatory testing was performed by Kate A. Corbett. All other testing was performed by Daniela Frasca. If you have any questions or concerns about these facts, please contact me at the number below.

Sincerely,

Daniela Frasca Chemist II Drug Analysis Lab Jamaica Plain, MA 02130 (617) 983-6631



CC #			 	
BOOK #	149	 	 	
PAGE #	/3	 ·	 	

10m 2	DESTRUCTION #	,	
District/Unit	O. J. COYNE	ID#/09<	52
DEFENDANT'S NAME	ADDRESS	CITY	STATE
		PoxBury	MA
		LAB US	E ONLY
DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
OCAINE	13 Boacs	17.04a	
MARYLINE	71 P/BS	1236.8g	
			and the second s
	,		
			- VANCOUNTER OF THE PROPERTY O
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
o be completed by ECU personnel only			
lame and Rank of Submitting Officer	11/1/16	Date	a G

BPD Form 0038-BIS-0907 (prev. 1753)

© 5/23/3/231

ECU Control # ___

Daniela Frasca

Education

Boston University School of Medicine, Boston MA

Currently enrolled in the Biomedical Forensic Science MS Program.

Suffolk University, Boston, MA

Graduated in 05/1996 and received a Bachelor of Science in Biochemistry

EXPERIENCE

Massachusetts State Laboratory Institute/DPH, Jamaica Plain, MA 01/2001 – present Drug Laboratory: Chemist II

- Analysis of all substances by chemical screening, microscopy, and instrument confirmation to determine the presence of drugs for law enforcement agencies in the Commonwealth of Massachusetts.
- Appointed assistant analyst on January 29, 2001 by the Assistant Commissioner of DPH
- Completed four weeks of training in drug analysis under the supervision of senior chemists.

Quest Diagnostics Incorporated, Cambridge, MA

09/1996 - 10/2001

Department of Toxicology: Medical Technologist I

- Handles comprehensive toxic analysis, therapeutic drug monitoring, forensic drug screening, and compound ID's of biohazard samples utilizing standard operating procedures in clinical toxicology.
- Entered data and interpreted results for reporting
- QC/QA of multiple analytical instrumentation as well as maintenance
- Completed 60 days of training under the supervision of doctorate level toxicologists.

Additional Training

Northeastern Association of Forensic Scientists

Designer Drugs

Clandestine labs

Agilent Instruments and Software

Digital Photography

McCrone Research Institute

Forensic Polarized Microscopy

Polarized Microscopy of Illicit Drugs and Excipients

Massachusetts State Laboratory Institute

Expert Witness

Raman Spectrophotometer

Associations and Programs

•	Northeastern Association of Forensic Scientists (NEAFS)	2001 - present
*	The International Association of Forensic Toxicologists (TIAFT)	2003 - present
	The International Association of Therapeutic Drug Monitoring	2003 - present
	And Clinical Toxicology (IATDMCT)	-
•	Massachusetts State Science Fair Judge	2000 - present

Middle School State Science Fair Judge
 Volunteer Science Project Mentor/Tutor
 2006 - present
 2003 - present

for the TTT Mentor Program

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003 MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- > Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- > Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- > Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- > Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- > Carried out titrations on ricin using fluorescence correlation spectroscopy
- > Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- ➢ Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. SYBIL WHITE Def: Amount: Subst: SUB Cont: pb No. Cont: 13 No. Analyzed: 6 Date Rec'd: 07/16/2010 Net Weight: 11.6 17.04 Gross Wt.: Findings: Prelim:

No.

Date Analyzed:

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

JUL 26 2010

Subst: VM

Amount:

No. Cont:

71

Cont: pb

Date Rec'd: 07/16/2010

Gross Wt.:

1236.00

No. Analyzed:/

Net Weight: 448.

Tests:

Prelim:

Findings:

	15 3 2 10		
DRUG POWDER A	NALYSIS FORM		
SAMPLE #	AGENCY BOSA	ANALY	ST DIE
HYSICAL DESCRIPTION	P13/5 /2	P13's	Er. MOK
		Ü	310-08103-Dome Tested
Portino	nder in 13 5 Small PB)	P13 (ele	ven medlun PS
6 1	Yarg -	Coross	M 12,5457
6 F	Proved -	Grass i	mand Nam
6 M	ned -	andlys	m and Nam representable 's are an bac
60	obalt + blue	15011-1	had No men-
	21-1-1	12/11/10	had Mar Whot

PRELIMINARY TEST RESULTS

RESULTS COCYME

DATE 7/21/10

GC/MS CONFIRMATORY TEST

RESULTS COMME

MS
OPERATOR PLINSN MS! ICHC

DATE 7/28/10

Samo	ле н.							A * Y V	
# san	ples tested:	6						1 * 5 (3.5) 1 * (4.5)	
	Gross		Net	T	Gross		\$ex	3-86.95	
.#	Weight	Packet Weight	Weight	#	Welght				
1	1.0437	\	0.9464	26			*	2-66515 	
2	1,0425		0.9701	25	- 3.8		(j.e.	y (13 15 :	
3	1,0028	\longrightarrow	0.9035	28	= 6		. "		-
4	1.1527		1.0495_	29	=1		į a	\$67375	X
3	0.5579		2,5049	30					=
6	0.5944	/	0.5313	35	1,6			641123	ン
7				32					
8		verifere		33	10.		,	0 - 1 (4 9)	<u>.</u>
9		***************************************		34 -	4/			(-53)3	
10			, A.	35			. :	1.0(3(7)	Š.
11				36	//•	nakamen ja		1 1 1 3 1 7 ±	÷
12	<u>.</u>	***************************************	**************************************	37	namanonse un ordenamen normenena			541121	
13				38	1-51			5 <u>1</u> 113253	
14	nagana akka ali 1944 di Abdala pa 1844 diki maka maka mana ana aki aki aki diki mana di diki naga	ed meller klosse bli se kommon som om propaga se konflikting for med til blev til klossi kliks spå den ster		39	13 12	'n	2	reases were the second	<u></u>
15			manananananananananananahiistääsiänäänäääääääääääääääääääääääääää	40					
16				41					
17			-	42			~~~~~		
18		00000000000000000000000000000000000000		43					
19			M to the	44			-		
20				45	nggagang galandi kanandi kalandi kaland				
21	***************************************	***************************************		46					
22				47			rmonnom macanan macansa	000000000000000000000000000000000000000	
23	· ·			48	,			***************************************	
24		-		49					
25				50		·			
Calcu	lations:								
					ł				

Date Analyzed: -

City: Boston D.C.U. Police Dept.

Officer: P.O. SYBIL WHITE

JUL 26 2010

Subst: VM

No. Cont:

Cont: pb

Date Rec'd: 07/16/2010

Gross Wt.:

Prelim:

1236.00

No. Analyzed: /

Net Weight: 44

Findings:

Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q3-2010\System7\07_27_10\733480.D

: KAC Operator

Date Acquired : 28 Jul 2010 2:26

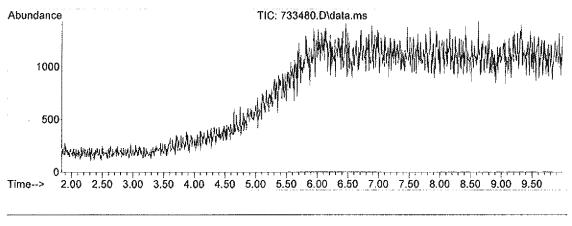
Sample Name : BLANK

Submitted by

Vial Number

AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time

Area

Area %

Ratio %

NO INTEGRATED PEAKS

File Name : F:\Q3-2010\System7\07_27_10\733481.D

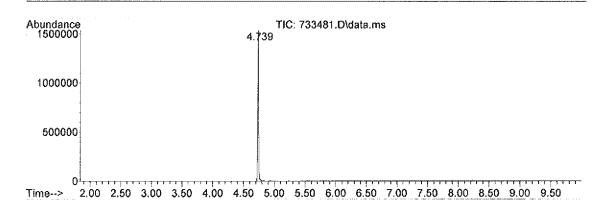
Operator : KAC

Date Acquired : 28 Jul 2010 2:39

Sample Name : COCAINE STD

Submitted by :

Vial Number : 81 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.739	1466031	100.00	100.00

File Name : F:\Q3-2010\System7\07_27_10\733481.D

Operator : KAC

Date Acquired : 28 Jul 2010 2:39

Sample Name : COCAINE STD

Submitted by :

Vial Number : 81 AcquisitionMeth: DRUGS.M Integrator : RTE

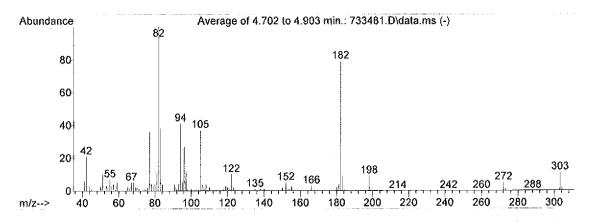
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

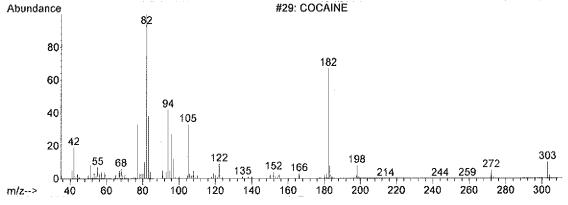
C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK# RT Library/ID CAS# Qual

1 4.74 C:\Database\SLI.L COCAINE 000050-36-2



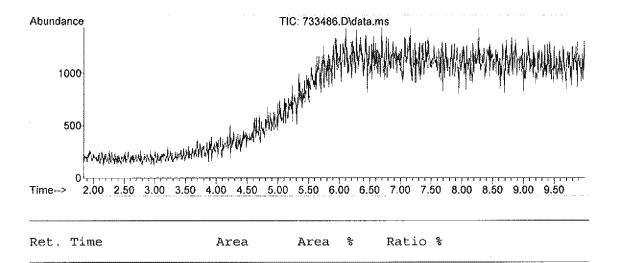


File Name : F:\Q3-2010\System7\07_27_10\733486.D

Operator : KAC

Date Acquired : 28 Jul 2010 3:42

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



NO INTEGRATED PEAKS

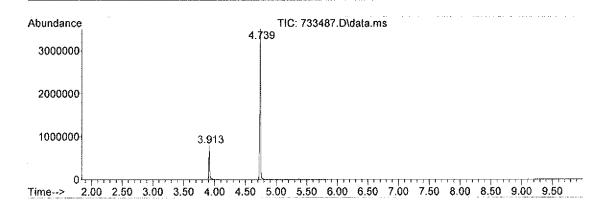
File Name : F:\Q3-2010\System7\07_27_10\733487.D

Operator : KAC

Date Acquired : 28 Jul 2010 3:54

Sample Name :

Submitted by : DXF
Vial Number : 87
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913 4.739	833354 3406905	19.65 80.35		

File Name : F:\Q3-2010\System7\07_27_10\733487.D

Operator : KAC

Date Acquired : 28 Jul 2010 3:54

Sample Name :

Submitted by : DXF Vial Number : 87 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

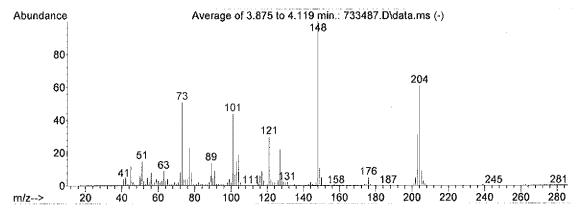
Minimum Quality: 80

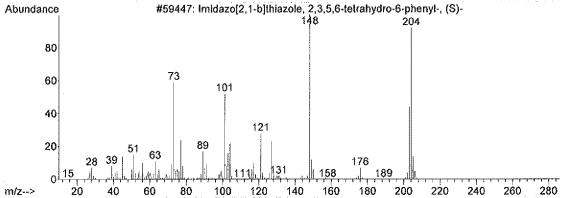
C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
1	3.91	C:\Database\NIST05a.L			
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	99
		<pre>Imidazo[2,1-b] thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
		Imidago[2 1-h]thiago]e	2 3 5 6-+0+	006649-23-6	QQ





File Name : $F: Q3-2010 \S = 7 \cdot 07 \cdot 27 \cdot 10 \cdot 733487.D$

Operator : KAC

Date Acquired : 28 Jul 2010 3:54

Sample Name :

Submitted by : DXF
Vial Number : 87
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

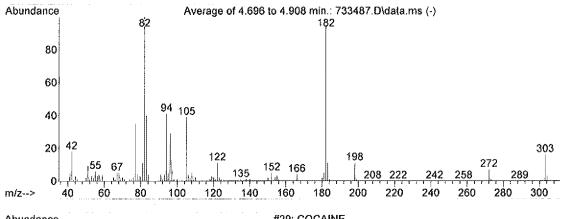
PK# RT Library/ID

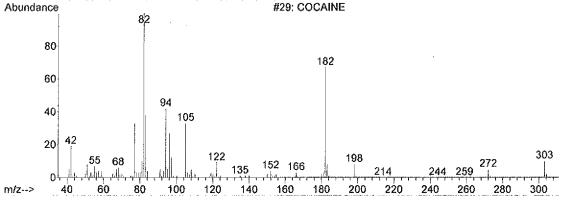
CAS# Qual

2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2





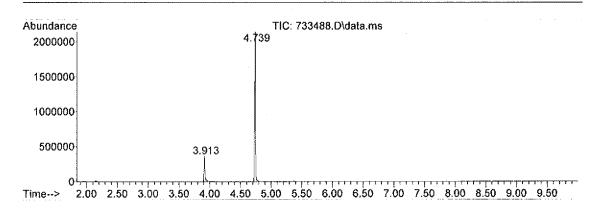
File Name : F:\Q3-2010\System7\07_27_10\733488.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:07

Sample Name

Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913	409789	16.38	19.59	
4.739	2091573	83.62	100.00	

File Name F:\Q3-2010\System7\07 27 10\733488.D

Operator KAC

Date Acquired 28 Jul 2010 4:07

Sample Name

Submitted by DXF Vial Number 88 AcquisitionMeth: DRUGS.M Integrator : RTE

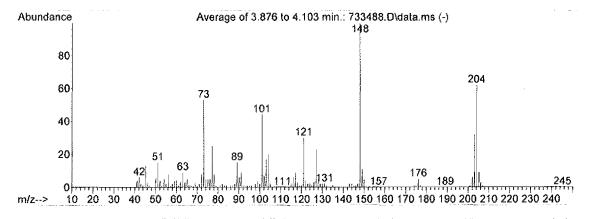
Search Libraries: C:\Database\SLI.L Minimum Quality: 80 Minimum Quality: 80

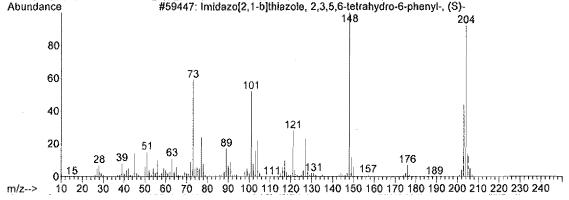
C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK# RTLibrary/ID CAS# Qual

1 3.91 C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98





File Name : F:\Q3-2010\System7\07_27_10\733488.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:07

Sample Name :

Submitted by : DXF
Vial Number : 88
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

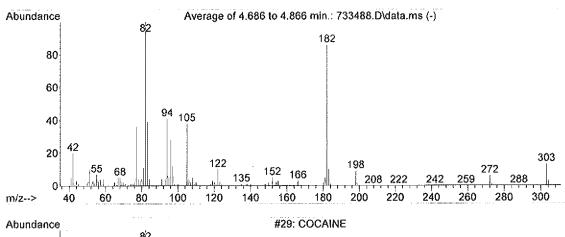
PK# RT Library/ID

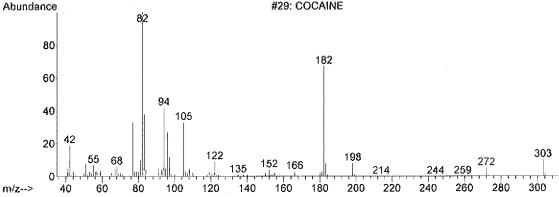
CAS# Qual

2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2





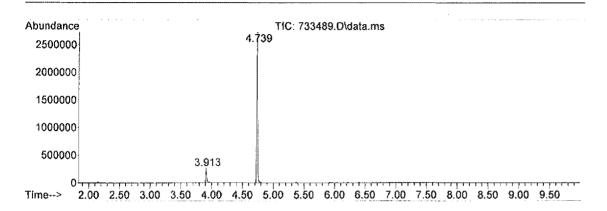
File Name : F:\Q3-2010\System7\07_27_10\733489.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:20

Sample Name

Submitted by Vial Number : 89 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913 4.739		11.01 88.99	12.37 100.00	

File Name : F:\Q3-2010\System7\07 27 10\733489.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:20

Sample Name :

Submitted by : DXF
Vial Number : 89
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

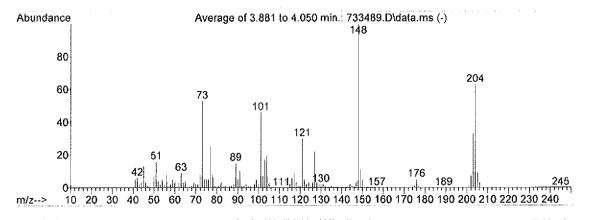
Minimum Quality: 80
Minimum Quality: 80

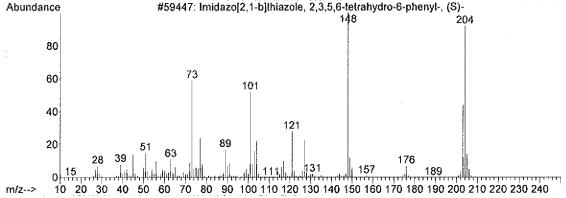
C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

1 3.91 C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 006649-23-6 98 Imidazo[2,1-b]thiazole, 2,3,5,6-tet 014769-73-4 97





File Name : F:\Q3-2010\System7\07_27_10\733489.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:20

Sample Name

Submitted by : DXF
Vial Number : 89
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries:

C:\Database\SLI.L

Minimum Quality: 80
Minimum Quality: 80

C:\Database\NIST05a.L

. manamam s

C:\Database\PMW_TOX2.L

PK# RT

Library/ID

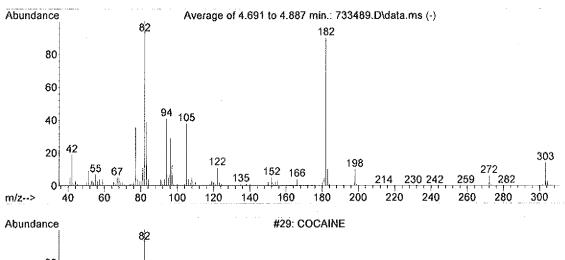
CAS#

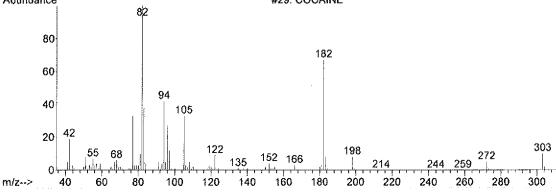
Qual

2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2



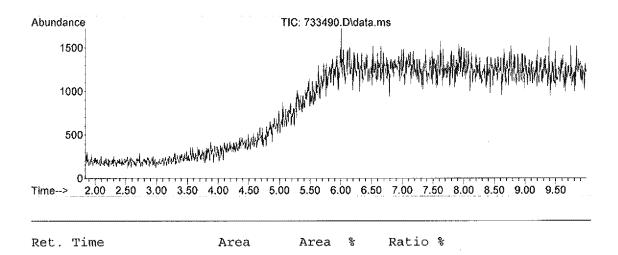


File Name : F:\Q3-2010\System7\07_27_10\733490.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:32

Sample Name : BLANK
Submitted by : DXF
Vial Number : 2
AcquisitionMeth: DRUGS.M
Integrator : RTE



NO INTEGRATED PEAKS

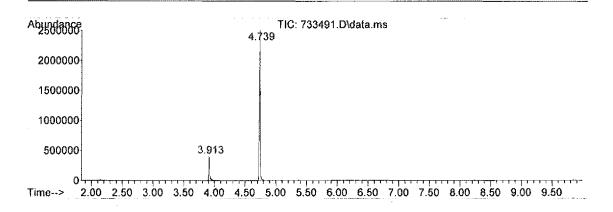
File Name : $F:\Q3-2010\System7\07_27_10\733491.D$

Operator : KAC

Date Acquired : 28 Jul 2010 4:45

Sample Name :

Submitted by : DXF
Vial Number : 91
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.913	466102	16.90	— - · • ·
4.739	2291776	83.10	

File Name : F:\Q3-2010\System7\07 27 10\733491.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:45

Sample Name :

Submitted by : DXF
Vial Number : 91
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

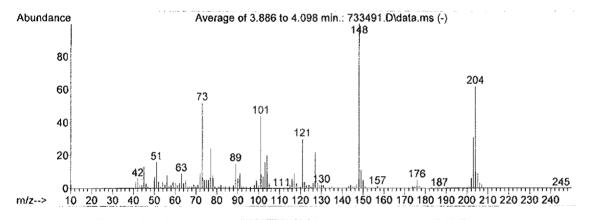
Minimum Quality: 80

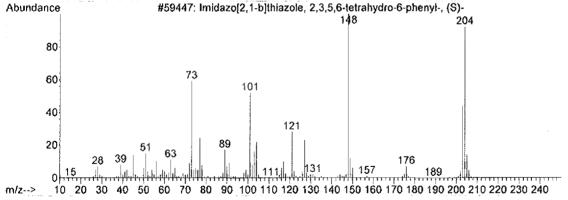
C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
1	3.91	C:\Database\NIST05a.L	0.2564	03.4850 83.4	
		Imidazo[2,1-b]thiazole,	, , ,		98
		Imidazo[2,1-b]thiazole,	• • •		98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98





File Name : F:\Q3-2010\System7\07_27_10\733491.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:45

Sample Name :

RT

PK#

Submitted by : DXF
Vial Number : 91
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Library/ID

COCAINE

Minimum Quality: 80

CAS#

C:\Database\NIST05a.L

C:\Database\PMW_TOX2.L

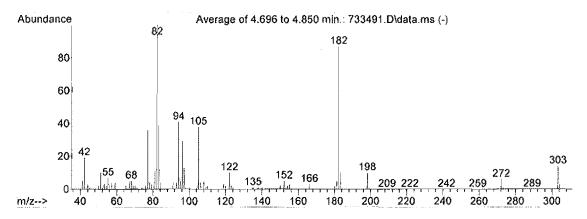
Minimum Quality: 80

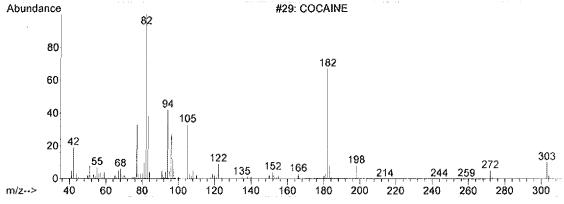
2 4.74 C:\Database\SLI.L

000050-36-2

99

Qual





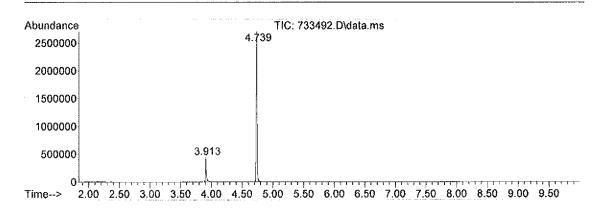
File Name : F:\Q3-2010\System7\07_27_10\733492.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:58

Sample Name :

Submitted by : DXF
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913 4.739	507932 2533528	16.70 83.30		

File Name F:\Q3-2010\System7\07 27 10\733492.D

Operator KAÇ

Date Acquired 28 Jul 2010 4:58

Sample Name

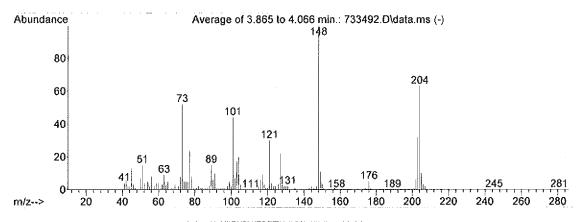
Submitted by DXF Vial Number 92 AcquisitionMeth: DRUGS.M Integrator : RTE

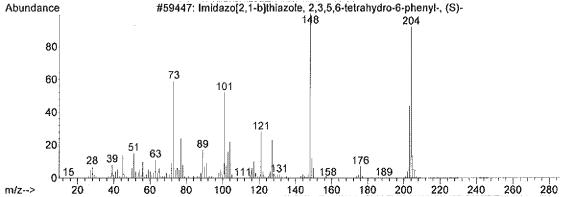
Search Libraries: C:\Database\SLI.L

Minimum Quality: 80 C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK#	RT	Library/ID		CAS#	Qual
1	3.91	C:\Database\NIST05a.L Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole, Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98 98 98





File Name : F:\Q3-2010\System7\07_27_10\733492.D

Operator : KAC

Date Acquired : 28 Jul 2010 4:58

Sample Name :

Submitted by : DXF
Vial Number : 92
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries:

C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW TOX2.L

PK# RT

Library/ID

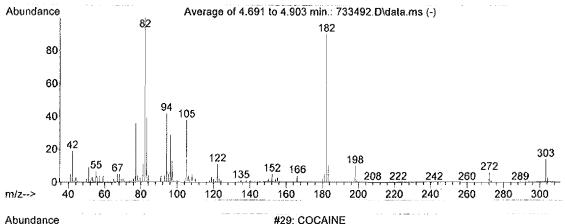
CAS#

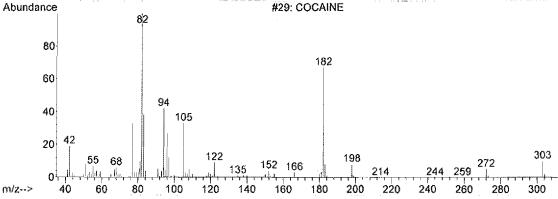
Qual

2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2





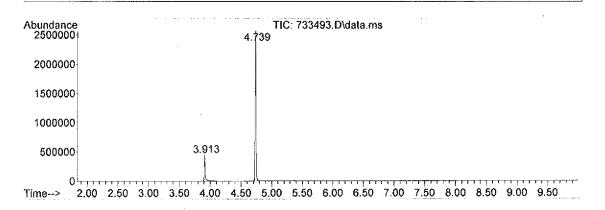
File Name : F:\Q3-2010\System7\07_27_10\733493.D

Operator : KAC

Date Acquired : 28 Jul 2010 5:10

Sample Name :

Submitted by : DXF
Vial Number : 93
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
3.913 4.739	495423 2376040	17.25 82.75	100.00	

File Name : F:\Q3-2010\System7\07_27_10\733493.D

Operator : KAC

Date Acquired : 28 Jul 2010 5:10

Sample Name :

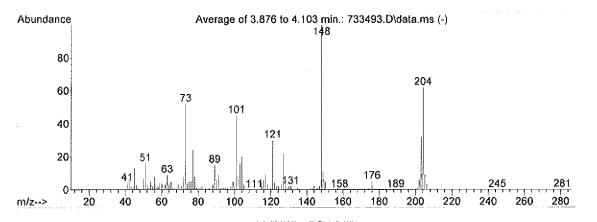
Submitted by : DXF
Vial Number : 93
AcquisitionMeth: DRUGS.M
Integrator : RTE

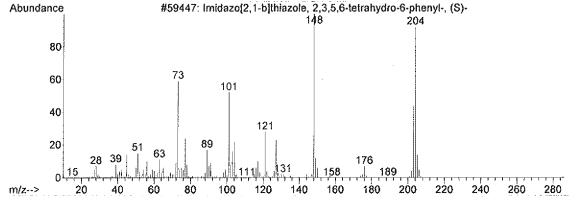
Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

	PK#	RT	Library/ID		CAS#	Qual
_	1	3.91	C:\Database\NIST05a.L			
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	014769-73-4	98
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98
			<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	98





File Name : F:\Q3-2010\System7\07_27_10\733493.D

Operator : KAC

Date Acquired : 28 Jul 2010 5:10

Sample Name

Submitted by : DXF
Vial Number : 93
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 80

C:\Database\NIST05a.L

Minimum Quality: 80

C:\Database\PMW_TOX2.L

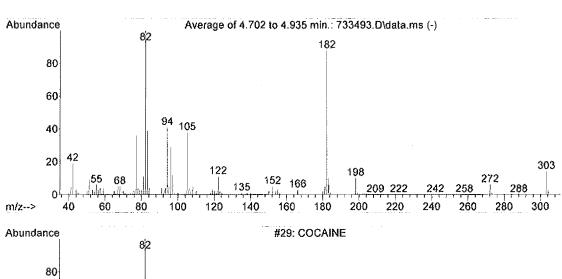
PK# RT Library/ID

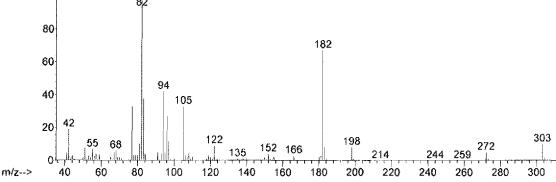
CAS# Qual

2 4.74 C:\Database\SLI.L

COCAINE

000050-36-2





File Name : F:\Q3-2010\System7\07_27_10\733495.D

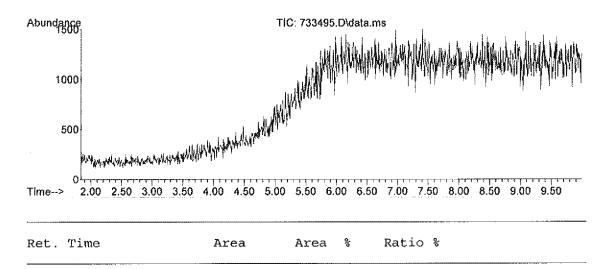
Operator : KAC

Date Acquired : 28 Jul 2010 5:35

Sample Name : BLANK

Submitted by :

Vial Number : 2 AcquisitionMeth: DRUGS.M Integrator : RTE



^{***}NO INTEGRATED PEAKS***

File Name : F:\Q3-2010\System7\07_27_10\733496.D

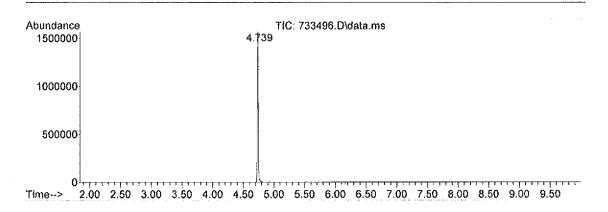
Operator : KAC

Date Acquired : 28 Jul 2010 5:48

Sample Name : COCAINE STD

Submitted by :

Vial Number : 96 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.739	1529771	100.00	100.00

File Name : F:\Q3-2010\System7\07_27_10\733496.D

Operator : KAC

Date Acquired : 28 Jul 2010 5:48

Sample Name : COCAINE STD

Submitted by :

Vial Number : 96 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80

C:\Database\NIST05a.L Minimum Quality: 80

C:\Database\PMW_TOX2.L

PK# RT Library/ID CAS# Qual

1 4.74 C:\Database\SLI.L

COCAINE

000050-36-2

